Figure 340: Covariance dialog

Input range
    Specifies the cell range containing the source data.

Results to
    Specifies the top left cell of the results area. When you run the tool, it will fill out the covariance table starting at this cell.

Columns / Rows
    Specifies whether the data to be analyzed is organized in columns or rows.

> **Tip**
>
> Use the **Shrink** / **Expand** buttons next to the *Input range* and *Results to* fields if you need to shrink the dialog while selecting cells with the mouse.

To illustrate how to use this tool, we again use the data set from Figure 334. Figure 341 shows the six covariance values generated for this input data using the settings shown in Figure 340.

	E	F	G	H
	Covariances	Column 1	Column 2	Column 3
	Column 1	126.809917		
	Column 2	-61.444444	258.41	
	Column 3	-32	53.11	204.61

Figure 341: Covariance results

> **Tip**
>
> For more information on statistical covariance, refer to the corresponding Wikipedia article at https://en.wikipedia.org/wiki/Covariance.

Exponential Smoothing tool

The Exponential Smoothing tool filters a data set to produce smoothed results. It is used in domains such as stock market analysis and in sampled measurements. Select **Data > Statistics > Exponential Smoothing** on the Menu bar to access the Exponential Smoothing dialog (Figure 342).